AMENDMENT

In the Claims

Please amend the claims as follows:

1. – 4. (Cancelled)

5. (currently amended) A method of treating cancer in a human patient in need of such treatment comprising administering to such patient ~~pateint~~ a cytocidally effective dose of a composition comprising [an antibody] a protein with an antigen recognition site directed toward a cell surface associated antigen conjugated or fused to biological response modifier, wherein it has been determined that cells of the patient's cancer express an antigen recognized and bound by the [antibody] protein.

6. (Cancelled)

7. (Previously Presented) The method of claim 5, wherein said cancer is selected from the group consisting of breast cancer, cervical carcinoma and melanoma.

8. (Previously Presented) The method of claim 7, wherein the patient has been diagnosed as having a breast tumor bearing a 15A8 tumor associated antigen and the antibody is a monoclonal antibody that recognizes and binds to the 15A8 tumor associated antigen.

9. (currently amended) The method of claim 7, wherein the patient has been diagnosed with a cervical carcinoma bearing a 15A8 tumor associated antigen and the [antibody] protein is a monoclonal antibody that recognizes and binds to the 158A tumor associated antigen.

10. (currently amended) The method of claim 7, wherein the patient has been diagnosed with cancer and cells of the cancer express an antigen recognized by monoclonal [antigody] antibody ZME-018, and further wherein the [antibody] protein is a monoclonal antibody that recognizes and binds the antigen.

11. – 12. (Cancelled)

13. (Previously Presented) The method of claim 5, wherein the biological response modifier is a cytokine.

14. (Previously Presented) The method of claim 13, wherein the cytokine is TNF.

15. (Previously Presented) The method of claim 14, wherein the TNF is TNF-beta.

16. (Previously Presented) The method of claim 14, wherein the TNF is TNF-alpha.

17. (Previously Presented) The method of claim 13, wherein the cytokine is an interleukin.

18. (Previously Presented) The method of claim 17, wherein the interleukin is interleukin-1 or interleukin-6.

19. (Previously Presented) The method of claim 13 wherein the cytokine is an interferon.

20. (currently amended) The method of claim 5, wherein the [antibody] protein's antigen recognition site recognizes and binds to the 15A8 tumor associated antigen.

21. (currently amended) The method of claim 5, wherein the [antibody] protein's antigen recognition site recognizes and binds to the ZME-018 antigen.

22. (currently amended) The method of claim 5, wherein the [antibody] protein's antigen recognition site recognizes and binds to the antigen recognized by the 465.12 antibody.

23. (currently amended) The method of claim 5, wherein the [antibody] protein with an antigen recognition site is fused to the biological response modifier.

24. (currently amended) The method of claim 5, wherein the [antibody] protein with an antigen recognition site is conjugated to the biological response modifier.

25. (currently amended) The method of claim 5, wherein the [antibody] protein's antigen recognition site recognizes and binds to the ZME-018 antigen.

26. (currently amended) The method of claim 5, further defined as comprising the steps of:

(a) identifying a patient having a tumor, which tumor comprises cells for targeting and wherein those cells comprise a cell surface antigenic marker at concentrations in excess of that found at other non-target sites;

(b) obtaining a composition comprising [an antibody] a protein with an antigen recognition site directed toward a cell surface associated antigen conjugated or fused to biological response modifier, wherein it has been determined that cells of the patient's cancer express an antigen recognized and bound by the [antibody] protein with an antigen recognition site; and

(c) administering an amount of the composition to the patient effective to treat the cancer.

27. (Previously Presented) The method of claim 26, wherein the patient is diagnosed as having a tumor with a specific antigenic determinant that will allow targeting and concentration of the biological response modifier at the site where it is needed to kill tumor cells.

28. (new) The method of claim 5, wherein the protein is an antibody.

29. (new) The method of claim 28, wherein the antibody is a monoclonal antibody.